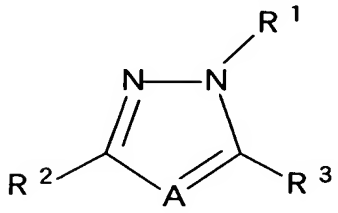
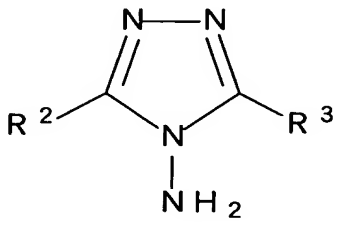
CLAIMS

1. A corrosion inhibitor for magnesium and/or magnesium alloy containing, as an effective component, a least one kind of compound selected from the group consisting of a compound of the formula (1) and a compound of the formula (2) and salts thereof



(1)



(2)

wherein R^1 is a hydrogen atom, or C_{1-4} alkyl, R^2 is a hydrogen atom, C_{1-4} alkyl, mercapto or hydroxy, R^3 is a hydrogen atom, C_{1-4} alkyl or hydroxy, A is -N= or $-C(R^4)=$, R^4 is a hydrogen atom or amino.

2. A corrosion inhibitor for magnesium and/or magnesium alloy as defined in claim 1 wherein, in the formula (1), R^1 is a hydrogen atom, R^2 is mercapto, R^3 is a hydrogen atom, and A is -N= .

3. A corrosion inhibitor for magnesium and/or magnesium alloy as defined in claim 1 wherein, in the formula (1), R^1 is a hydrogen atom, R^2 is C_{1-4} alkyl, R^3 is C_{1-4} alkyl or hydroxy, A is $-C(R^4)=$, and R^4 is a hydrogen atom.

4. A corrosion inhibitor for magnesium and/or magnesium alloy as defined in claim 1 wherein, in the formula (1), R^1 is a hydrogen atom, R^2 is C_{1-4} alkyl, R^3 is C_{1-4} alkyl, A is $-C(R^4)=$, and R^4 is a hydrogen atom.

5. A corrosion inhibitor for magnesium and/or magnesium

alloy as defined in claim 1 wherein, in the formula (2), R^2 is hydrogen atom, and R^3 is a hydrogen atom.

6. A corrosion inhibitor for magnesium and/or magnesium alloy as defined in claim 1 wherein the compound of the formulas (1) and (2) is 3-hydroxy-1,2,4-triazole, 3-mercapto-1,2,4-triazole, 4-amino-1,2,4-triazole, 3,5-dimethylpyrazole or 3-methyl-5-hydroxypyrazole.

7. A process for preparing a treated magnesium and/or magnesium alloy component comprising (A) treating a magnesium and/or magnesium alloy component with a surface-treating agent, and (C) treating the component with a corrosion inhibitor for magnesium, wherein the corrosion inhibitor of claim 1 is used as such corrosion inhibitor.

8. A process for preparing a treated magnesium and/or magnesium alloy component comprising (A) treating the magnesium and/or magnesium alloy component with a surface-treating agent, (B) treating the component with a pre-treating agent used before a corrosion inhibition treatment and (C) treating the component with a corrosion inhibitor for magnesium, wherein the corrosion inhibitor of claim 1 is used as such corrosion inhibitor.

9. A process for preparing a treated magnesium and/or magnesium alloy component as defined in any one of claims 7 and 8 wherein the step of treatment with a corrosion inhibitor for magnesium is repeated at least twice.

10. A process as defined in any one of claims 7 to 9 wherein a step of washing with water is added in a next step of each of at least one step of (A), (B) and (C).

11. A process for preparing a treated magnesium and/or

magnesium alloy component comprising (1) deburring the magnesium and/or magnesium alloy component when required, (2) treating the component with a surface-treating agent, (2-1) washing with water, (3) treating the component with a pre-treating agent used before a corrosion inhibition treatment, (3-1) washing with water, (4) treating the component with a corrosion inhibitor for magnesium, (4-1) washing with water, (5) drying the component, (6) coating or plating the component, and (7) thereafter assembling the component, wherein the corrosion inhibitor of claim 1 is used as the above corrosion inhibitor for magnesium.

12. A process for preparing a magnesium and/or magnesium alloy component as defined in claim 11 wherein the step of treatment with a corrosion inhibitor for magnesium is repeated at least twice.